G

Page 1

Tuesday, September 22, 2009 3:09:48 PM

Item ID:

D2500-1-190

Accept

Setup Start

Stop



Revision ID:

Ext'n -'I' Beam Tube 4" Item Name:

**Required Date: 10/9/2009** 

9/23/2009

**Start Oty:** 100.00

Rea'd Otv: 100.00

**Cust Item ID:** 

**Customer:** 

Reference:

Start Date:

Approvals:

Process Plan:

Date 99-9-24 Tooling:

Date:

Start Run



OC:

Date:

SPC (Y/N):

Date:

Sequence ID/ Work Center ID

Draw Nbr

Operation Description Set Up/ **Run Hours** 

Draw Number Draw Rev.

Accept Otv

Plan

Code

Reject Reject Number Otv

Stop

Insp. Stamp

**Revision Nbr** 

D2500 Rev U/R

100

**PURCHASING** 

0.00

0.00

12 09/09/25

Purchasing Purchasing

6061-T6 (OO-A-200/8)  $\Box$  c) Minimum yield tensile strength = 35 ksi  $\Box$  d) Minimum ultimate tensile strength = 38 ksi  $\Box$ e) Minimum elongation = 8% $\Box$ f)

Order at 190" long □g) Bon L Canada Inc. tool #

110

Receive & Inspect for Damage & Mat'l Certs

0.00

Packaging

Memo

Memo

0.00

**Packaging** 

Ensure material certification is attached

120

**Quality Control** 

QC6- Inspect dimensions to drawing

Check Pull test per Dwg D2500 for compliance page attached. Check hardness

with Webster tester

(still in crotes)

## Work Order ID 52319

G



Page 2

Tuesday, September 22, 2009 3:09:48 PM

Item ID: Revision ID: D2500-1-190

Accept

Setup Start



Stop



Item Name: Start Date:

9/23/2009

Start Otv: 100.00 Reg'd Oty: 100.00

**Cust Item ID:** 

Customer:

Reference:

Approvals:

**Required Date: 10/9/2009** 

Ext'n -'I' Beam Tube 4"

Process Plan:

Date:

Tooling:

Date:

Start Run



OC:

Date: \_\_\_\_\_

SPC (Y/N):

Set Up/

Run Hours

Date:

Stop

Sequence ID/ Work Center ID

130

Packaging

Packaging

Operation Description

Identify as per dwg & Stock Location:

BACK HALL CKID TURF DAKE

0.00

0.00

Draw Number

Draw Rev.

Plan Accept Code **Qty** 

Reject **Qty** 

Reject Number

Insp. Stamp

B 9-10-26

140

**Quality Control** 

OC21- Final Inspection - Work Order Release

0.00

Memo

Memo

0.00

MF 09-10-27

D2500-1-190PX101 B52319

MF 09-10-27



DESIG	N Af	DRAWN BY	DART AEROSPACE HAWKESBURY, ONTARIO, CANAI	
CHEC	KED /	APPROVED	DRAWING NO.	REV. G
	H	#	D2500	SHEET 1 OF 3
DATE	·		TILE	SCALE
07.0	04.17		EXTRUSION	NTS
Α		96.03.19	NEW ISSUE	
В		96.03.24	CHANGE INTERNAL WEB	
С		96.04.26	ADD D2500-3 WEB	
D		96.10.07	ADD MATERIAL PROPERTIES	
Ε		96.10.24	CHANGE MATERIAL TEMPER	
F		97.09.29	CHANGE MAT. TO 6061-T6	
G		07.04.17	ADD NOTES 3.5.6	



1. MATERIAL:

6061-T6 (QQ-A-200/8)

MINIMUM TENSILE YIELD STRENGTH = 35 KSI MINIMUM ULTIMATE TENSILE STRENGTH = 38 KSI MINIMUM ELONGATION = 8%

A SAMPLE FROM EACH BATCH WILL BE PULL TESTED TO ASTM STANDARD B221 BY AN APPROVED TESTING FACILITY TO ENSURE THAT THE BATCH MEETS THE ABOVE RETURN TO MINIMUM MECHANICAL PROPERTIES

UNCONTROLLED COPY

2. BREAK ALL SHARP CORNERS 0.010 MAX

SUBJECT TO AMENDMENT WITHOUT NOTICE WORK ORDER

NO 52319

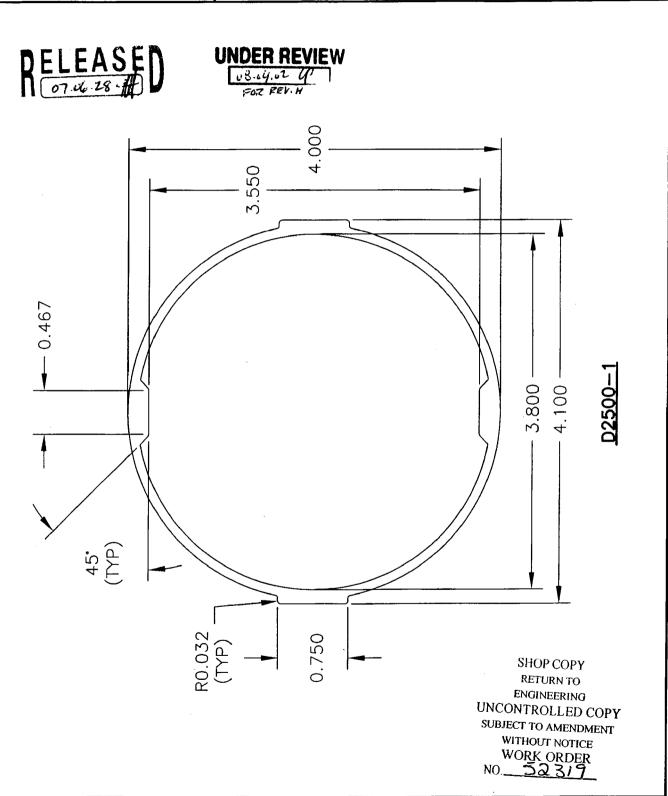
- 3. ALL DIMENSIONS ARE IN INCHES
- TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED.
- 5. FOR D2500-1 PART NUMBER IS D2500-1-XXX WHERE XXX IS CUT LENGTH (EX. D2500-1-190 IS 190" LONG)
  D2500-1 EXTRUSION MANUFACTURED FROM:
  - A) BON L DIE # 897015 -> PREFERRED
  - B) CARADON MIDEAST DIE # PAH-28030
  - C) CARADON MTL DIE # MH-18868
- 6. FOR D2500-3, PART NUMBER IS D2500-3-XXX WHERE XXX IS CUT LENGTH IN INCHES (EX. D2500-3-100 IS 100" LONG) D2500-3 EXTRUSION MANUFACTURED FROM:
  - A) CARADON INDALEX DIE # MS-18867

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DESIGN	DRAWN BY		ROSPACE LTD y, ontario, canada
CHECKED 1	APPROVED 1	DRAWING NO.	REV. G
#	#	D2500	SHEET 2 OF 3
DATE		TITLE	SCALE
07.04.17		EXTRUSION	1:1

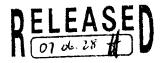


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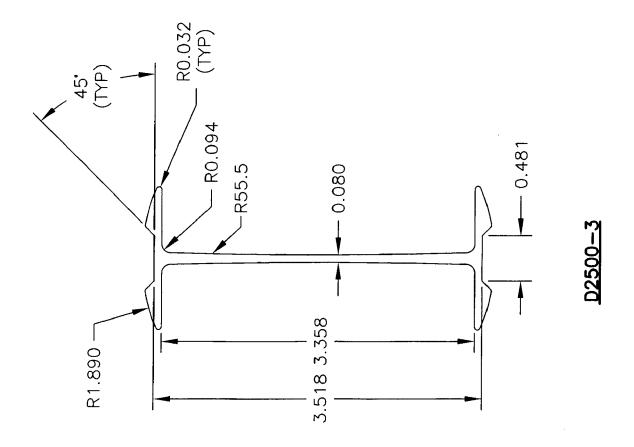
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DESIGN	DRAWN BY	_ :	OSPACE LTD ONTARIO, CANADA
CHECKED	APPROVED	DRAWING NO.	REV. G
1	#	D2500	SHEET 3 OF 3
DATE		TITLE	SCALE
07.04.17		EXTRUSION	1:1



# UNDER REVIEW U8.04.02 47 FOIZ REV. H



SHOP COPY RETURN TO **ENGINEERING** UNCONTROLLED COPY SUBJECT TO AMENDMENT WITHOUT NOTICE WORK ORDER NO.\_\_52319

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#### ACCT# 00046024

SHIP TO DART AEROSPACE LTD. 1270 ABERDEEN ST. HAWKESBURY ON CN K6A 1K7

SOLD TO / PURCHASER DART AEROSPACE LTD. 1270 ABERDEEN ST. HAWKESBURY ON CN K6A 1K7

PHONE 613-632-5200

INVOICING COMPANY AND LOCATION SIGNATURE ALUMINUM CANADA 1850 CLEMENTS ROAD PICKERING ON L1W 3R8

REFER TO THESE NUMBERS ON ALL CORRESPONDENCE MANIFEST DATE 10-22-09 MANIFEST NUMBER 670840 SALES ORDER NUMBER 55856

SHIPPING MANIFEST

TERMS / FREIGHT 0 / P

SALESMAN

CREDIT REP SALES REP

HAMBROOK, PAU 905-508-3250

FIELD SALES REP

**CUST SERVICE REP** 

LOCATION TRAILER NUMBER PIC 57373

Kutter A 59358 450-435-6551 Burton D 905-427-2227 BILL OF LADING NUMBER

PHONE 613-632-5200 CUSTOMER ID ORDER DATE 46024

**CUSTOMER PO NUMBER** 09/25/09 10476

JOB

08400961

		1 1		MFG. PART NUMBER	ALLOY & TEMPER	FINISH DESCRIPTIONN		THIS SHIPME!	NT		
ITEM NO.	ORIGINAL ORDER QUANTITY	UNIT	PREVIOUS SHIPPED QUANTITY	CUSTOMER PART NUMBER	LENGTH CUTTING TOLERANCE	FABRICATION DESCRIPTION SHIPPING TOLERANCE	NBR OF PKGS	GROSS POUNDS	NET QUANTITY	UNIT	QUANTITY DUE
01	2681	LB	0	DAA-897105-2	6061 /T6	MILL	5	2754	2635	LB	0
	1583	FT	0	D2500-1-190	190"	CERTIFICATE OF COMP			1599.15	FT	0
	100				+5/16 "	(+010-010,0110-0090)			101	PC	0
					-0"	,					
				LOT/TKT DETAIL:		55856010 / 336537	1	258	236		9 PC
						55856010 / 336538	1	624	597		23 PC
						55856010 / 336539	1	624	597		23 PC
						55856010 / 336540	1	624	597		23 PC
						55856010 / 336696	1	624	606		23 PC
							:		ļ	l	/s1
				:			ļ				
		1		1							
		-		-	<del></del>		5	2754	2635	LB	

Transportation/Traffic damages and/or shortage claims are to be noted on the delivery copy of sellers shipping manifests and signed and dated below by customers authorized representatives.

No return materials will be accepted for credit without permission. The articles and/or services covered by this shipping manifest were produced in accordance with the fair labor standards act of 1938 as amended. Order accepted subject to the terms and conditions stated on the reverse side.

PAGE

1599.15 FT101 PC

TOTALS

1



## CERTIFICATE OF COMPLIANCE

## SIGNATURE ALUMINUM CANADA

1850 CLEMENTS ROAD PICKERING, ON L1W 3R8

Cert Date	Cert No	Sales Order	Page
10/22/09	199781	55856	1
Cust PO	B/L No	Lot	Date
10476	08400961	55856010	10/22/09

Sold To 46024

DART AEROSPACE LTD. 1270 ABERDEEN ST. HAWKESBURY, ON K6A 1K7 DART AEROSPACE LTD.
1270 ABERDEEN ST.
HAWKESBURY, ON K6A 1K7

Item No	Part No Item	Description		Cust Part
1.000	DAA-897105-2 1	190" Mill 6061 T6		D2500-1-190
Groes Weight	2754 LBS			
Net Oty	2,635 LB	101 PC	1599 FT	5 PKG

AMS-QQ-A-200/8 & ASTM B221-08

Mechanical Tests: Test Tensile No. MPA / KSI	Yield MPA / KSI	%Elongation	Conductivity	Bend/ Drift HREW
1 313.3 45.5 Chemical Analysis: SI FE CU MN	276.6 (40.1) MG CR ZN	TI 8.6	.0	93

.66 .27 .24 .07 .87 .06 .08 .02

This will certify that the material described herein has been inspected and tested in accordance with Signature Aluminum Canada's standard sampling and testing procedures or in accordance with the requirements of any specification forming a part of the material description to the extent indicated herein. Data of chemical composition for the material and test results from samples representative of the material are set forth above hereof or in any attachments hereto. This information shows that the material meets the applicable requirements. Inspection and test records are maintained on file. This certificate shall be deemed apart of and subject to the terms and conditions of warranty set forth on the reverse side of our order acknowledgment form. No other warranties are applicable.

Conchita Ko, QA Manager Signature Aluminum Canada Inc

08/6/3

HL



Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7

Tel: 613 632 9577 Fax: 613 632 1053

### **PURCHASE ORDER**

## Purchase Order ID PO10476

Purchase Order Date 9/25/09 PO Print Date 9/25/09

Page Number 1 of 1

Order From:

VC-BON001

SIGNATURE ALUMINUM 1850 CLEMENTS ROAD PICKERING, ON L1W 3R8

CA

Contact Name

Vendor Phone

800 563 1079

Vendor Fax

800 565 8339

Vendor Account Nbr

Buyer Requisition Nbr

Tax Resale Nbr Terms

Currency

Chantal Lavoie

10127-2607

Net 30 CAD

**FOB** 

Ship To:

DART AEROSPACE LTD

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

CANADA

Line Nbr Reference Revision ID

D2500-1-190P

Description/

Mfg ID

Reg Date/

Taxable Unit of Measure

Req Qty/ Ship Method

Unit Price

Extended

Price

Vendor Part Number

Ext'n -'I' Beam Tube 4"

10/16/09

100.00 Yours ppd \$68.7100

\$6,871.0

Yes

Mes 101 Pe4/1423

Special Inst:

EXTRUDE AS PER DWG D2500 REV. G MATERIAL: 6061-T6 (QQ-A-200/8) MINIMUM YIELD TENSILE STRENGTH

=35 KSI

MINIMUM ULTIMATE TENSILE STRENGTH = 38KSI MINIMUM ELONGATION = 8% 190" LONG BON L CANADA TOOL# 897015

PULL TEST REQUIRED TO ASTM

STANDARD B221

B52319

PO Total:

\$6,871.0

MATERIAL CERTIFICATION REO'D UPON DELIVERY

No substitution or deviation without consent.

Certificate of Conformity or Material Certification required when applicable

Change Nbr:

Change Date: 9/25/09